

ABSTRACT OF THE DISCLOSURE

In a display panel constituted by an airtight container substantially evacuated in which a plurality of spacers are interposed between an electron source on
5 which a plurality of electron-emitting devices are arranged, and a face plate which is arranged in correspondence with the electron source and has a fluorescent substance for emitting light by collision against electrons, an acceleration electrode is
10 arranged on the face plate side and receives a high voltage to accelerate electrons emitted by the electron source toward the fluorescent substance. A discharge phenomenon generated by application of the high voltage via the spacer, or a current according to the discharge
15 is detected. The acceleration electrode is made up of a plurality of divided electrodes to accurately grasp the location where the discharge occurred.